

ROUTING AND RECORD SHEET

INSTRUCTIONS: Officer designations should be used in the "To" column. Under each comment a line should be drawn across sheet and each comment numbered to correspond with the number in the "To" column. Each officer should initial (check mark insufficient) before further routing. This record and routing sheet should be returned to Registry.

FROM: *RHD/TSS*

NO. 58779
DATE 10 Oct 51

TO	ROOM NO.	DATE		OFFICER'S INITIALS	COMMENTS
		REC'D	FWD'D		
1. <i>Commo</i>		<i>16 Oct</i>	<i>16 Oct</i>	<i>ny</i>	<i>attn.</i> 25X1
2. <i>OC-E</i>		<i>17 Oct 1951</i>	<i>18 Oct 1951</i>	<i>[Signature]</i>	25X1
3. <i>R&D</i>		<i>24/9</i>	<i>14 Feb 52</i>	<i>[Signature]</i>	<i>0</i> <i>Prepare reply to</i> <i>Daley for w/tx</i> <i>for forwarding info.</i> <i>Have a look see</i> <i>at all Sears' proposal</i> <i>for possible contract</i> <i>for special purpose</i> <i>equip dev.</i> <i>Info for possible consideration</i> <i>w/ 2055-RS-9 Feb</i>
		<i>FEB 15 1952</i>	<i>20 Feb 52</i>	<i>[Signature]</i>	
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15.					

CONFIDENTIAL

2417

10 October 1951

MEMORANDUM FOR: OFFICE OF COMMUNICATIONS

ATTENTION:

25X1

SUBJECT: Compact Hand-Held Communications Set

1. The attached proposal was brought to R&D/TSS by

25X1

25X1

2. Since it was felt that the Communications Office could best inform him on this proposal, he was referred to your office. The attachment is hereby forwarded.

25X1

for
[Signature]
Acting Chief
Research & Development

Encl:

1. "Compact Hand-Held Communications Set"

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DOCUMENT NO. _____
NO CHANGE IN CLASS. ☒
☐ DECLASSIFIED
CLASS. CHANGED TO: TS S C
NEXT REVIEW DATE: 2020
AUTH: HR 70-2
DATE: 4/12/80 REVIEWER: 037169

CONFIDENTIAL

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you re - this - will call
5/8

COMPACT HAND-HELD COMMUNICATIONS SET

I. Defense Export Corporation of America has been offering for export to friendly foreign powers a very compact hand-held radio communications set which is currently being manufactured in the United States.

The inventor of this set, Mr. Al Gross, is employed as electronics consultant to Defense Export Corporation of America and he has expressed the opinion that he can develop this set to serve military purposes. In his opinion the set can be developed at a relatively small cost and short lapse of time to include the following features:

- (a) Communication range - approximately 8 to 15 miles.
~~Regardless of topographical features.~~
- (b) Gross weight - 4 lbs. or less.
- (c) Reliability under all climactic conditions.
- (d) Simplicity of operation - 3 controls (transmit receiving switch, receiver volume control, range selector control.)
- (e) Power requirements - batteries, AC pack, vibrator type supply.

It can be seen from Part II that the problem of developing the set for military use (Part I) would not be too difficult.

III. The radio set in Part II actually is a development from a radio communications set developed by Mr. Gross for the Office of Strategic Services during the last war. Several hundred of the prototype were manufactured and used very successfully by OSS agents during the last war.

At the close of the last war, not expecting a military market, Mr. Gross developed this hand-held "Walkie-Talkie" for civilian use. Now, again realizing the importance of a compact hand-held radio communications set, Mr. Gross feels that he can develop the present model into a valuable piece of military equipment.

Further information in connection with this can be obtained by communicating with either Mr. Gross or Mr. Ropper at Defense Export Corporation of America, 734 Fifteenth Street, N. W., Washington, D. C.

II. The present radio communications set is now being manufactured for civilian use and has the following features:

- (a) Entire unit less batteries, antenna and carrying case, occupies space $1\frac{1}{4}$ " deep, 2-7/8" wide, 6" high.
- (b) Incorporates the very latest printing electrical circuit techniques and the sub-miniature T-3 type tubes. Both the circuit techniques and the tubes are similar to those used in the proximity fuze.
- (c) Transmitter - Receiver combination with a total of four tubes.
- (d) Controls - Transmit receive switch
Tuning control
Volume control
- (e) Frequency - 465 Megacycles (Citizens Radio Band.)
- (f) Power to the Antenna - 300 Milliwatts or .3 Watts.
- (g) Approximate communication range up to 3 miles.
- (h) Entire unit designed for operation from batteries AC power supply or vibrator type supply.

Defense Export Corp. of America

734-Fifteenth St. N.W.

Sterling 1506

John T. Hopper Pres.

Al Gross, Tech Consultant.
+ inventor

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